

Abstract of the Disclosure:

Novel poly-o-hydroxyamides can be cyclized to give polybenzoxazoles which have a good diffusion barrier effect with respect to metals. The poly-o-hydroxyamides can be applied to a semiconductor substrate by customary techniques and converted into the polybenzoxazole in a simple manner by heating. This results in a good barrier layer with respect to diffusion of metals. This allows the diffusion barrier between conductor track and dielectric to be substantially dispensed.

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